GT-100

COSM AMP
EFFECTS PROCESSOR

Step into the Next Generation of Mega Multi-FX and Amp Modeling!

Newly designed with dual LCD displays and the latest COSM amps.
The pinnacle of the GT series has arrived!

GT-100 COSM AMP EFFECTS PROCESSOR

DUAL LCD

Completely new user interface with dual displays.
Quickly and directly control the GT-100's range of advanced features.

With its dual LCD display, the GT-100 puts you in direct contact with the editing functions you need without having to switch screens. When editing effects, for example, you can control the parameters on the right-side screen while viewing the audio routings on the left screen. The large LCD offers excellent visibility and helps you make accurate settings even on a dark stage.

● Use "T-Comp" to set compression to your preference.
● Switch between effects just as you would on a stompbox pedalboard.
● Display the tuner and metronome simultaneously.

EZ TONE

The highly popular EZ Tone function has now become even more powerful!

The EZ Tone function makes complex editing fast and easy. Patch Create mode lets you design sounds based on musical genres and song concept. Amp Customize and OD/DS Customize let you tweak the characteristics of your amp and overdrive/distortion to your preference. You can easily operate the sophisticated and complex parameters on a graphical screen using intuitive and simple knob operations.

● Use Patch Create to make sounds based on music genres and song concept.
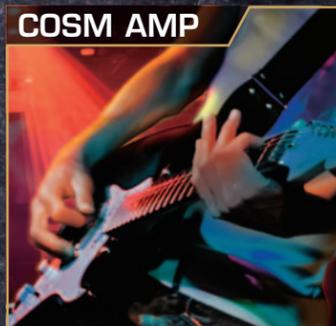● Use Amp Customize to create your dream amp sounds.
● Use OD/DS Customize to detail your overdrive/distortion characteristics.

ACCEL PEDAL

Get Creative with the ACCEL Pedal.
Step into a New Dimension of Expression!

Step on the new Accel pedal and modulate your sound dynamically in real time. The pedal enables real-time control of multiple parameters simultaneously, as well as time-variant effects such as Feedbacker, S-Bend, Twist, etc.; Laser Beam and Warp add extreme effects that resemble synth tones. Experiment with creative combinations of parameters, interacting in real time with the pedal.

COSM AMP

Powered by BOSS's latest custom DSP, the GT-100 delivers mind-bending power and performance. Welcome to the next generation of COSM!

Realize the impossible with Advanced Amp modeling

With its next-generation COSM processor, the GT-100 ushers in a new era of expression and sonic capability. Recreating the meticulous details of vintage amps and how they behave, the GT-100's Advanced Amps excel in not only cloning classic amps, they also provide a new world of unimagined tone by delivering ultra-natural sounds considered to be physically impossible with existing amps. There are eight types of built-in amp models that faithfully translate the guitarist's unique characteristics and picking nuances — including Stack Crunch (combining vintage combo amp-response with the powerful feel of stack amps) and Full Range (providing a broad frequency range and extremely flat response). Also onboard is the new T-Comp — a parameter for operating the unique compression of tube amps. This is the true value of COSM technology, which is capable of expressing the most subtle and expressive nuances.

Vintage Amp reproduces every detail of masterpiece amps

The GT-100's newly enhanced Vintage Amp mode reproduces every detail of the tonal quality and playing feel of vintage amps. You have 17 different types at your fingertips that cover a diverse range of masterpiece amps. In addition, with T-Comp you can create sounds that emphasize the compression you get from tube amps. Also, you can change your speaker and cab configuration as well as mic settings to customize your amp any way you like — another advantage available only with COSM.

PREAMP					
ADVANCED		**VINTAGE**			
NATURL CLEAN	HiGAIN STACK	JC-120	DELUX CRUNCH	BG LEAD	R-FIER VINTAGE	5150 DRIVE
FULL RANGE	POWER DRIVE	CLEAN TWIN	VO DRIVE	BG DRIVE	R-FIER MODERN	
COMBO CRUNCH	EXTREM LEAD	PRO CRUNCH	VO LEAD	MS1959 I	T-AMP LEAD	
STACK CRUNCH	CORE METAL	TWEED	MATCH DRIVE	MS1959 I+II	SLDN	

CUSTOM

New A/B Channel Divide Function

Another notable new feature is the versatile A/B Channel Divide. Assign different amps and effects to each channel, and divide the signal not only by dynamics but by frequency as well, with each channel capable of driving its own effects and amps settings. The range of tonal possibilities gets wider, and wilder! Assign smooth, mild lead tones to the mid-to-high pitches, for example, and heavy, cutting tones to the lower notes. The GT-100 also has a SUB OD/DS feature that lets you apply different distortion types to each channel.

■ Example of effect chain

● Insert effects anywhere in the chain and operate them via knobs.
● You can also insert your amp freely into the chain and control it intuitively with knobs.

Overdub and loop to create innovative solos and phrases

The GT-100 is equipped with the popular Phrase Loop function from the RC series, offering up to 38 seconds of recording in mono. You can switch the tone on GT-100, and overdub your performances to create expressive, innovative solos and phrases.

Record the high-quality GT sound directly to your DAW

You can connect the GT-100 to your PC/Mac via its USB audio/MIDI port, which lets you incorporate the GT-100's powerful amp functions into your music production directly with no loss of quality. A custom librarian program is included for backing up and managing your GT-100 effects via computer.

GT-100 COSM AMP EFFECTS PROCESSOR USB AUDIO

Effects List

EFFECT		OD/DS			

EFFECT

COMP	CHORUS
OD/DS	REVERB
PREAMP	
EQ	
FX1	
FX2	
DELAY	

OD/DS

ADVANCED

MID BOOST	FAT DS
CLEAN BOOST	LEAD DS
TREBLE BST	METAL DS
CRUNCH	OCT FUZZ
NATURL OD	
WARM OD	

VINTAGE

BLUES OD	GUV DS
OD-1	DST+
T-SCREAM	METAL ZONE
TURBO OD	'60S FUZZ
DIST	MUFF FUZZ
RAT	

CUSTOM

FX1/ FX2

T. WAH	PARA EQ	OCTAVE	TREMOLO	HUMANIZER
AUTO WAH	TONE MODIFY	PITCH SHIFTER	ROTARY	2X2 CHORUS
SUB WAH	GUITAR SIM.	HARMONIST	UNI-V	SUB DELAY
ADV. COMP	SLOW GEAR	SOUND HOLD	PAN	
LIMITER	DEFRETTER	AC.PROCESSOR	SLICER	
SUB OD/DS	WAVE SYNTH	PHASER	VIBRATO	
GRAPHIC EQ	SITAR SIM.	FLANGER	RING MOD.	

Rear Panel

Options (sold separately)

FS-5U
Footswitch

FV-500L/500H
Expression Pedal

FS-6
Dual Footswitch

EV-5
Expression Pedal
Roland

Specifications

AD Conversion	24 bits + AF method
DA Conversion	24 bits
Sampling Rate	44.1 kHz
Program Memories	400: 200 (User) + 200 (Preset)
Nominal Input Level	INPUT: -10 dBu, RETURN: -10 dBu, AUX IN: -20 dBu
Input Impedance	INPUT: 1 M ohm, RETURN: 100 k ohms, AUX IN: 47 k ohms
Nominal Output Level	OUTPUT: -10 dBu/+4 dBu, SEND: -10 dBu
Output Impedance	OUTPUT: 2 k ohms, SEND: 2 k ohms
Dynamic Range	100 dB or greater (IHF-A)
Displays	Graphic LCD (132 x 64 dots, backlit LCD) x 2
Connectors	• INPUT jack (1/4-inch phone type) • AUX IN jack (Stereo miniature phone type) • OUTPUT L/MONO, R jacks (1/4-inch phone type) • PHONES jack (Stereo 1/4-inch phone type) • EXT LOOP jacks SEND, RETURN (1/4-inch phone type) • AMP CONTROL jack (1/4-inch phone type) • SUB CTL1, 2/SUB EXP jack (1/4-inch TRS phone type) • USB port • MIDI connectors IN, OUT • DC IN jack
Power Supply	DC 9 V
Current Draw	600 mA
Dimensions	542 (W) x 271 (D) x 80 (H) mm, 21-3/8 (W) x 10-11/16 (D) x 3-3/16 (H) inches Maximum height: 542 (W) x 271 (D) x 102 (H) mm, 21-3/8 (W) x 10-11/16 (D) x 4-1/16 (H) inches
Weight	4.8 kg / 10 lbs 10 oz (excluding AC Adaptor)
Accessories	AC Adaptor, USB Cap, Owner's Manual

* AF method (Adaptive Focus method)
  This is a proprietary method from Roland & BOSS that vastly improves the signal-to-noise (S/N) ratio of the A/D and D/A converters.
* 0 dBu=0.775 Vrms

Experience the power of BOSS effects!
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Our website is filled with the latest information, including techniques that you can use in the real world. It also includes details on the latest products, interactive tours, videos, and more. Visit us now!

COSM
Composite Object Sound Modeling

Once a musical instrument generates sound vibrations, it reaches the human ear through various mediating objects, each of which significantly affects the sound. The material and configuration of the instrument, the electric/electronic/magnetic amplifying system, the air and the reverberation of the room all affect the final sound. Sound modeling, the latest DSP technology, "virtually" reconstructs these objects. Roland's breakthrough Composite Object Sound Modeling (COSM) uses the advantages of multiple modeling methods and succeeds in accurately emulating existing sounds, as well as producing sounds that have never before been created.

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